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Institute for Defense and Government Advancement

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INFORMATION ASSURANCE 2004

Securing Our Critical Infrastructure

Pre-Conference Workshops: February 24, 2004
Main Conference: February 25-26, 2004
Crowne Plaza • Arlington, VA

SPECIAL KEYNOTE:
ROBERT F. LENTZ – Director
Information Assurance, Office of the
Assistant Secretary of Defense for
Networks and Information Integration

IDGA has assembled an unparalleled speaker faculty that includes:

- **RAY A. LETTEER, CISSP, GSEC**
  Head, Information
  Assurance Branch
  HQMC C4 Information
  Assurance Branch
  U.S. Marine Corps

- **DR. VIC MACONACHY**
  Director, National Information
  Assurance Education and
  Training Program
  NSA

- **ABRAHAM USHER**
  Deputy Director
  Information Assurance
  Technology Analysis Center
  (IATAC)

- **CAPT SHEILA K. MCCOY, USN**
  Information Assurance
  Team Leader
  Department of the Navy
  Chief Information Officer

- **BILL NEUGENT**
  Chief Engineer for
  Cybersecurity
  MITRE

- **GEORGE BIEBER**
  Deputy, IA HR & Training
  Defense-wide IA Program
  (DIAP)

- **THEODORE A. HENDY**
  Director, Information Assurance
  & Security Engineering
  Directorate
  US Army Information Systems
  Engineering Command

- **MARIANNE SWANSON**
  Senior Advisor for Information
  Technology Security
  National Institute of Standards
  and Technology

- **MAJ CHIP REGAN, CISSP**
  Operations Officer
  67th Information Warfare Flight
  Scott AFB, IL

- **MICHAEL J. SKROCH**
  Manager, Information
  Operations Red Team &
  Assessments
  Sandia National Laboratories

- **JIM GRANGER, CISSP**
  Technical Director
  Navy Computer Incident
  Response Team

- **KEVIN HOLMES**
  JITC IA Team Lead
  Joint Interoperability
  Test Command

This conference will feature in-depth sessions on plans, programs and requirements from experts who are driving the vision towards information assurance superiority. Specifically you will learn new developments in:

- **The 8500 Series** Directive/Instruction
- **Building** a comprehensive IT risk assessment program
- **Developing** effective IA performance metrics
- **Establishing** a framework for security controls over information resources
- **Developing** an IA architecture for the Global Information Grid
- **Monitoring** network and system activities by developing countermeasures against unauthorized activities
- **Developing** IA strategies that work within regulatory guidelines while providing system-appropriate asset protection

Don't Miss These Content-Rich Pre-Conference Workshops:

- **A** IA Metrics Development and Implementation
- **B** Incorporating Security into the Enterprise

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BE SURE TO REGISTER FOR THESE INTERACTIVE WORKSHOPS!

In addition to hearing numerous case studies, past attendees often tell us that they come to conferences with the hopes of taking home valued solutions that can be implemented immediately upon return to the office. In order to fulfill this need, IDGA has organized these essential workshop sessions that are guaranteed to give you a much deeper grasp of the key issues facing your organization. These vital sessions are designed to give you the "A-Z" roadmap approach for tackling challenges and making the most out of opportunities. The workshop sessions are three hours long to allow for interaction and to assure that they cater to your needs.

MORNING WORKSHOP – 9:30AM-12:30PM **A**

IA METRICS DEVELOPMENT AND IMPLEMENTATION

Do you want to help improve effectiveness and efficiency of your organization's IA program? Do multiple regulatory reporting requirements and spending resources to react to regulatory pressures instead of applying these resources to fix problems overburden you? Do you have a hard time convincing your management that IA is creating value for the organization?

The workshop will present an IA Metrics approach that has been accepted by the National Institute of Standards and Technology (NIST) as the basis for IT Security Metrics Guidance which describes how organizations can develop IA metrics and establish a program that would help an organization use these metrics to facilitate decision-making, process improvement and security program management.

You will learn how this approach can improve the management of IA programs by measuring the adequacy of security controls and implementation of IA as it supports mission goals and objectives. In addition, the program develops a long-term vision and strategy to ensure continuous improvement and managed change.

WORKSHOP LEADER:

Ms. Nadya Bartol, a Senior Associate with **Booz Allen Hamilton,** developed the IT security metrics development and implementation methodology that has been adopted by National Institute of Standards and Technology (NIST) as a basis for the Special Publication (SP) 800-55, Security Metrics Guide for IT Systems. She has lead IT security metrics development and implementation efforts for multiple organizations, ranging from enterprise wide programs to acquisition and security service providers. Ms. Bartol has served as an advisor to the Office of Management and Budget (OMB) Committee on Executive Branch Information System Security, Issue Group 1-Risk Grading and co-authored a Risk Grading and Corrective Action Prioritization Methodology that expands on the work of Issue Group 1. Ms. Bartol is currently serving as a chair of the International System Security Association (ISSEA) Metrics Working Group. Ms. Bartol has an M.S. degree in Management Information Systems and an M.B.A. degree from Boston University.

AFTERNOON WORKSHOP – 1:30PM-4:30PM **B**

INCORPORATING SECURITY INTO THE ENTERPRISE

It is well-known that security is not effectively included in Enterprise Architectures today. We believe that a major cause of this problem is that there is no compendium of knowledge immediately useful to enterprise engineers who are not security specialists. We have just completed a research project that focused on capturing security best practices from the policy level through implementation levels in a representation accessible to enterprise architects and engineers. We used the successful paradigm of patterns to capture this best practice knowledge as well as the understanding of how and where it fits within the context of an enterprise architecture framework.

This workshop will describe lessons learned from this effort, and will introduce the participants to a set of patterns and pattern systems that can be used to define security needs and solutions for their enterprise. It will show the participants how to develop their organization's security architecture and integrate it with their enterprise architecture and information systems architecture. This workshop will provide a combination of presentation material and interactive discussions focusing on:

- Review of architecture and architecture framework
- Issues involved in integrating security into a framework
- Introduction to patterns, pattern systems, and other applicable areas
- Specifics of enterprise security patterns and how to apply them
- Considerations involved in defining enterprise-wide security needs
- In depth look at one of the security pattern systems we developed

During the workshop you will be able to discuss issues and challenges that you face in addressing security in your enterprise.

WORKSHOP LEADERS:

Jody Heaney is a Lead Security Engineer in the Information Security Center at the **MITRE Corporation** in McLean, VA. At MITRE, she has been involved in many different program areas, including work with DARPA, the National Security Agency (NSA), all branches of the military, the Intelink Management Office (IMO), and for the Intelligence Community (IC). In her information assurance (IA) leadership role for the IC CIO, the focus is on identifying cross-cutting IA technologies suitable for the entire IC. Sub-areas of particular interest at the current time include: approaches for reviewing Microsoft native file formats, certification and accreditation of systems that employ cross-security-domain technologies, and IA policy. She has maintained a strong interest in integrating information systems security into the main stream of the software and systems engineering processes. She was one of the original developers of the System Security Engineering Capability Maturity Model (CMM) and the Information Assurance Technical Framework (IATF). Her earlier work, shaped the concepts that drove the evolution of her work in the past several years on enterprise security engineering.

Duane Hybertson is a researcher and member of the technical staff in the Software Engineering Center at the **MITRE Corporation** in McLean, VA. He has a broad background in software engineering, both research and practice. He has conducted research in the foundations of architecture, and has published papers on a uniform modeling approach to architecture and software engineering. He has supported architecture development and helped define evolutionary processes for large information systems at the National Imagery and Mapping Agency (NIMA), which supports both the Department of Defense (DoD) and the intelligence community. His recent research has been as a member of a team capturing security patterns and determining how to integrate these patterns into a usable enterprise engineering context.

IDGA Conferences Available on CD Rom!

ABOUT THE VENUE

CROWNE PLAZA

Only minutes away from the historic town of Alexandria and the Fashion Center at Pentagon City Mall, Crowne Plaza Washington National Airport is ideally placed for both business and leisure travelers.

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DAY 1
Wednesday, February 25, 2004

7:30-8:20	**Registration & Continental Breakfast**
8:20	**Welcome and Introduction to Day One**
8:30-9:10	**Transforming IA: DoD's Roadmap for the Future** Robert F. Lentz Director, Information Assurance, OASD(NII) Office of the Assistant Secretary of Defense for Networks and Information Integration
9:20-10:00	**Information Assurance: People as Effective Countermeasures** Dr. Vic Maconachy Director, National IA Education and Training Program NSA
10:00-10:20	**Mid-Morning Break**
10:20-11:00	**A Comprehensive Model for Information Assurance** Abraham Usher, Deputy Director Information Assurance Technology Analysis Center
11:10-11:50	**Techniques & Lessons Learned in Critical Information Red Teaming & Assessments** Michael J. Skroch Manager, Information Operations Red Team & Assessments Sandia National Laboratories
11:50-12:50	**Luncheon for Attendees and Speakers**
12:50-1:30	**Building an IT Risk Assessment Program** LTC Curtis Carver Program Director for IT, Department of Electrical Engineering & Computer Science U.S. Military Academy Chrisan Herrod Professor & Chair, Department of Information Operations & Technology, IRM College National Defense University
1:40-2:20	**Cyberterrorism: We're Toast! How We're at Risk From Cyberterrorism & Attacks from Other Nations** Bill Neugent, Chief Engineer for Cybersecurity MITRE
2:20-2:40	**Mid-Afternoon Break**
2:40-3:20	**IA Training & Awareness** George Bieber, Deputy, IA HR & Training Defense-wide IA Program (DIAP) Mark Wilson, CISSP IT Specialist (Information Security), Computer Security Division, IT Lab National Institute of Standards and Technology
3:30-4:10	**Role of Information Assurance Auditing within FDIC: Improving the Management of Information Security and Technology Investments** Benjamin K. Hsiao Audit Director Information Assurance Directorate, Office of Inspector General Federal Deposit Insurance Corporation
4:20-5:00	**IA Assessments During Joint Exercises** Kevin Holmes, JITC IA Team Lead Joint Interoperability Test Command
5:00	**Conclusion of Day One**

DAY 2
Thursday, February 26, 2004

8:00-8:30	**Chairperson's Re-Cap & Continental Breakfast**
8:30-9:10	**Information Assurance and Organizational Responsibility** Theodore A. Hendy Director, Information Assurance and Security Engineering Directorate, US Army Information Systems Engineering Command
9:20-10:00	**IT Security Metrics Guidance: Measuring Security at the Systems Level** Marianne Swanson Senior Advisor for Information Technology Security National Institute of Standards and Technology
10:00-10:20	**Mid-Morning Break**
10:20-11:00	**Current IA Initiatives in the USMC** Ray A. Letteer, CISSP, GSEC Head, Information Assurance Branch Marine Corps Designated Approval Authority (DAA) HQMC C4 Information Assurance Branch MSgt Kevin M. Dulany, GSEC, CHSP Information Assurance Chief HQMC C4 Information Assurance Branch U.S. Marine Corps
11:10-11:50	**Assuring Information in a Flying Operations Environment** Major Chip Regan, CISSP Operations Officer, 67th Information Warfare Flight Scott AFB, IL
11:50-12:50	**Luncheon for Attendees and Speakers**
12:50-1:30	**IA-Challenges and Opportunities** CAPT Sheila K. McCoy, USN Information Assurance Team Leader Department of the Navy Chief Information Officer
1:40-2:20	**IT Security Integration Into The System Development Lifecycle** Matthew Baum Computer Security Officer Acting Director for Information Assurance US Department of Education
2:20-2:40	**Mid-Afternoon Break**
2:40-3:20	**Network Centric Warfare: Implications and Challenges for IA Pundits** Gregory L. Garcia Director, Information Assurance Network and Information Integration Air Force Material Command
3:30-4:10	**National Information Assurance Partnership (NIAP) Common Criteria Evaluation and Validation Scheme** Jean H. Schaffer Director, NIAP CCEVS Pamela Yocum Deputy Director, CCEVS NIAP CCEVS, Information Assurance Directorate National Security Agency
4:20-5:00	**Computer Network Defense-Challenges and Opportunities** Jim Granger, CISSP Technical Director, NAVCRIT Navy Computer Incident Response Team
5:00	**Conclusion of Day Two**

SPONSORSHIP AND EXHIBITION OPPORTUNITIES

WHY SPONSOR OR EXHIBIT AT IDGA'S INFORMATION ASSURANCE 2004

IDGA Sponsorships and Exhibits are an excellent opportunity for your company to showcase its products and services to a highly targeted, senior-level audience in the information security industry. IDGA helps companies achieve sales, marketing and branding objectives by setting aside a limited number of event sponsorships and exhibit places - all of which are custom-tailored to help your company create a platform that will maximize its exposure at the event and reach key decision makers in the information security market.

Please email your complete contact details to matthew.weihs@iqpc.com or phone 212-973-3310 to find out about the sponsorship and exhibit opportunities available at this event. Please call quickly before opportunities are full. We look forward to speaking with you and seeing how we can incorporate your company into what promises to be another incredible event!

WHAT TYPE OF EXPOSURE CAN MY COMPANY HAVE AT IDGA EVENTS?

IDGA prides itself on creating sponsorship and exhibit opportunities that fit your company's specific sales, marketing and branding needs. In order to maximize your organization's exposure at the event an IDGA representative will work with you to create a custom tailored package for your company that will have the greatest impact on your target audience.

Below you'll find just a few of IDGA's most popular sponsorship packages - all of which include a specific number of delegate passes, exhibition booth and a direct marketing campaign specifically targeting your clients and prospects.

- Title Sponsor
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- Cocktail Reception(s)

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IATAC is DoD's institution for collecting, analyzing, and disseminating scientific and technical information (STI) related to all aspects of information assurance (IA), defensive information operations (IO), and information warfare (IW) technologies. It is a contractor hosted, DoD sponsored service available to all Government and industrial based users to provide studies, analyses, data gathering, and other research and development (R&D) activities to meet research, acquisition, test, operational, and logistics requirements related to IA, IO, and IW technologies.

MEDIA SPONSORS:

Government Technology magazine is the leading publication on the market providing technology solutions for state and local governments in the Information Age. Unrivaled in market expertise, Government Technology magazine provides state and local government executives a reliable source of information on the vital role technology will play in reengineering the public sector. Top government executives everywhere - from governors to mayors, from CIOs to agency directors, and from judges to legislators - turn to Government Technology magazine as the trusted source for state and local government technology solutions across the nation. For your free subscription, log on to **www.govtech.net.**

Storage & Government, published by WestWorld Productions Inc,(**www.wwpi.com**) is the first magazine exclusively covering storage in Government, Military and Aerospace technologies. S&G targets computer professionals who buy, specify or influence the purchase of hardware, software and networking products in both the Integrator and End-User areas of the market.

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Little Falls, NJ 07424-2157
@ **E-Mail:** John.McGrath@IQPC.com
↗ **Web:** www.idga.org

IMPORTANT! To speed registration, provide the product code located on the back cover—even if it is not addressed to you!

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For each workshop, please add:	**$250**	**$400**

Payment Policy - *Payment is due at time of registration and includes lunches, refreshments, a detailed conference workbook and all meeting materials. *Please add 6% sales tax if your workplace is in Connecticut (CT).*

*Conference registration includes all main conference sessions plus one complimentary workshop of your choice, (industry only), see page 3 for workshop details.

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For specific questions regarding the event, assistance with the registration process, or details on IDGA's special group rates, please contact Tony Yauch, Client Representative, at 212-973-3310•
or e-mail him at tony.yauch@idga.org.

IDGA CANCELLATION, POSTPONEMENT AND SUBSTITUTION POLICY:
You may substitute delegates at any time. IDGA does not provide refunds for cancellations. For cancellations received in writing more than seven (7) days prior to the conference you will receive a 100% credit to be used at another IDGA conference for up to one year from the date of issuance. For cancellations received less than seven (7) days prior to the event no credits will be issued. In the event that IDGA cancels an event, delegate payments at the date of cancellation will be credited to a future IDGA event.
This credit will be available for up to one year from the date of issuance. In the event that IDGA postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive a 100% credit representing payments made towards a future IDGA event. This credit will be available for up to one year from the date of issuance. No refunds will be available for cancellations or postponements. IDGA is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. IDGA shall assume no liability whatsoever in the event this conference is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency.
Please note that speakers and topics were confirmed at the time of publishing, however, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. As such, IDGA reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated on our web page as soon as possible

MAKING TRAVEL PLANS? For discounted Flight reservations on most major carriers, make sure you or your Corporate Travel Department contacts IDGA's Official Travel Planner, **Candy Eardley** of Travel Forum, toll-free at **1-877-852-4135** or locally at **973-942-0100**. Candy can also be reached via email at **candy@travelforuminc.com.**

> **"Information networks must be controlled, protected, and managed as effectively as weapon systems"** *– LtGen Harry Raduege, DISA Director*

IDGA
Institute for Defense and
Government Advancement

Dear Colleague:

Computer network operations is a 24/7 constant vigilance operational environment. We are engaged every day; we're attacked every day; and we need to defend in-depth every day!

Information assurance has become a top priority for the U.S. Military and government. Being able to find efficient and effective means in order to protect sensitive information networks and systems in our nation's critical information infrastructure is crucial.

By building an integrated, layered protection architecture for DoD systems & networks this will enable mission critical information sharing and deny the enemy information advantages.

This conference, **Information Assurance 2004,** scheduled for **February 24-26, 2004** in **Arlington, VA** will serve as the forum for government & industry to discuss goals/objectives, implementation strategies and enablers/barriers and focus on the development of resources and technologies to advance and maximize privacy and security investments through the development and management of an integrated IA process.

Information Assurance 2004 will cover a complete range of perspectives, detailing theories, strategies and tactics for combating cyberterrorism and developing successful IA strategies for enterprise security. The conference features an unparalleled speaker faculty, including:
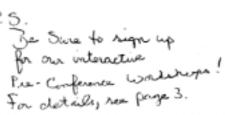
- **Robert F. Lentz,** Director, Information Assurance, OASD(NII), **Office of the Assistant Secretary of Defense for Networks and Information Integration**
- **CAPT Sheila K. McCoy, USN,** Information Assurance Team Leader, **Department of the Navy Chief Information Officer**
- **Ray A. Letteer, CISSP, GSEC,** Head, Information Assurance Branch, Marine Corps Designated Approval Authority (DAA), HQMC C4 Information Assurance Branch, **U.S. Marine Corps**
- **Theodore A. Hendy,** Director, Information Assurance and Security Engineering Directorate, **US Army Information Systems Engineering Command**

Act now! Reserve your place among the top IA experts today! Register yourself and a team of key people by calling 1-212-973-3310, by faxing the order form on the back of the brochure to 212-697-4106, or online at:John.McGrath@IQPC.com

I look forward to meeting you in February!

P.S. Be Sure to sign up for our interactive Pre-Conference Workshops! For details, see page 3.

G. Bradley Moor
Program Director
brad.moor@idga.org

Who You Will Meet. . .

At **Information Assurance 2004**, you will have the unique opportunity to interact and network with representatives from all related military units/organizations, government agencies, industry contractors and technology service providers.

Attendees will include Directors or Deputy Directors with the following responsibilities:

- **Program Management**
- **Information Systems**
- **System Administration**
- **Network Security**
- **IA Engineers/ Operators**
- **Systems Engineers**
- **Security Certifiers**
- **Risk Management**

Team involvement is essential to the success of any information security effort! IDGA has arranged a special discount for teams of three or more who register at the same time. Please call our Registration Center at 1-212-973-3310 for more details!

About the Event Organizer:

IDGA
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The Institute for Defense & Government Advancement has established itself as a non-partisan, information-based organization dedicated to the promotion of innovative ideas in public service and defense. We bring together speaker panels comprised of military and government professionals while attracting delegates with decision-making power from the government and defense sectors. IDGA provides well-researched, uniquely tailored events that keep our delegates abreast of operational and industry advancements as well as provide a forum to gain access to influential representatives and professionals. For more information on upcoming conferences and international symposiums, please visit **www.idga.org/** or e-mail **info@idga.org.**

Please note - Attendees are not required to possess security clearance materials for these unclassified events, but must have a legitimate interest in helping the United States military forces and its allies tackle these issues.
We reserve the right to require non-US citizens to provide documentation of their affiliation with a U.S. or allied military program.

REGISTRATION CARD

❑ **Yes, please register me for Information Assurance 2004 Conference**
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❑ **A** ❑ **B**

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